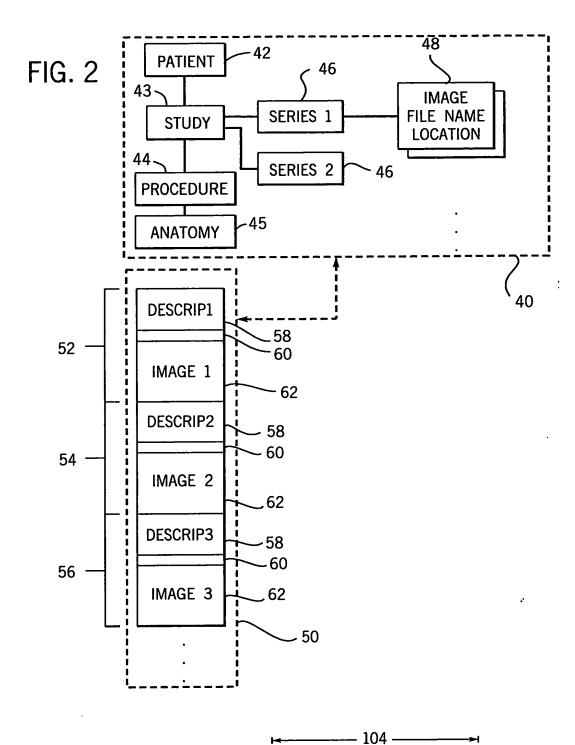
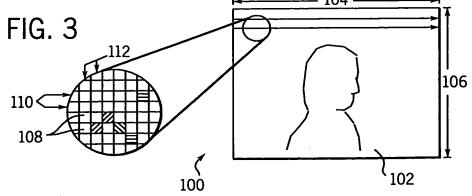
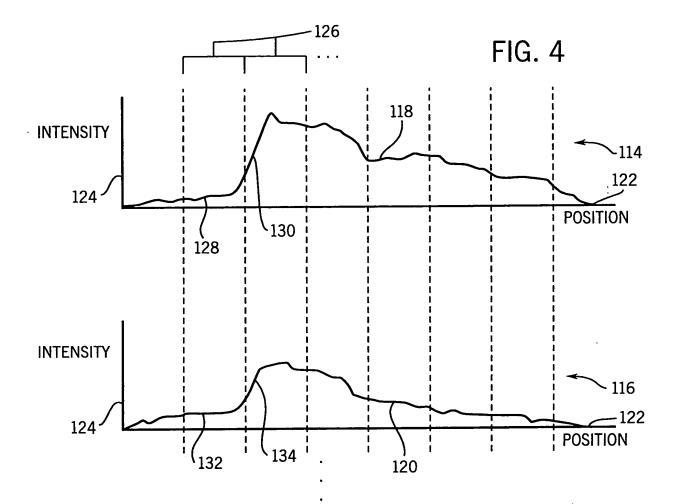


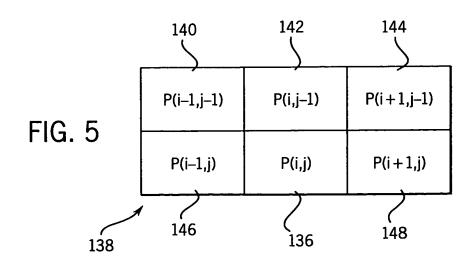
FIG. 1

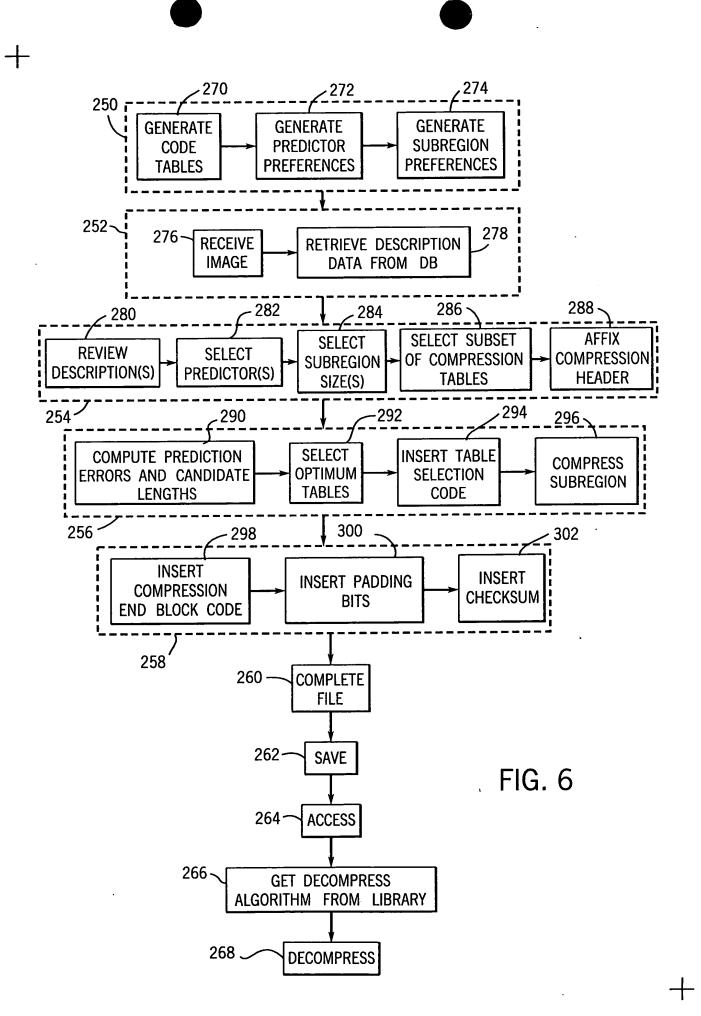




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HUFFMAN CODE PREFIX	16 - B SCHEME 0 CODE EXTENSION	BIT LOSSLESS ENCOU – MAX RATIO DIFFERENCE d		FIG. 7 ENCODED RANGE TH WIDTH
180 0 100 101 1100 11101 111100 11111100 111111	X X XX XX	0 +1 -1 +2 TO +3 -2 TO -3 +4 TO +7 -4 TO -7 +8 TO +15 -8 TO -15 +16 TO +31 -16 TO -31 +32 TO +63 -32 TO -61 +64 TO +12 -64 TO -127 +128 TO +25 -128 TO -25 +256 TO -51 ACTUAL VALUE END OF BLOCK	1 3 3 5 5 7 7 7 9 1 11 11 3 13 13 13 13 15 7 15 7 15 17 11 19 1	0 +1 +2 +4 170 +8 +16 +32 +64 +128 +256
HUFFMAN CODE PREFIX 00 01 100 101 1100 1101 11100 111101 111100 1111101 1111100 111111	CODE EXTENSION X X XX XX XXX XXX XXX XXXX XXXX XXX		3 3 3 5 7 7 7 9 9 11 11 13 13 15 15 17 17 19 19 26 10	FIG. 8 ENCODED RANGE I_WIDTH 1 +4 +8 +16 +32 +64 +128 +256 +512

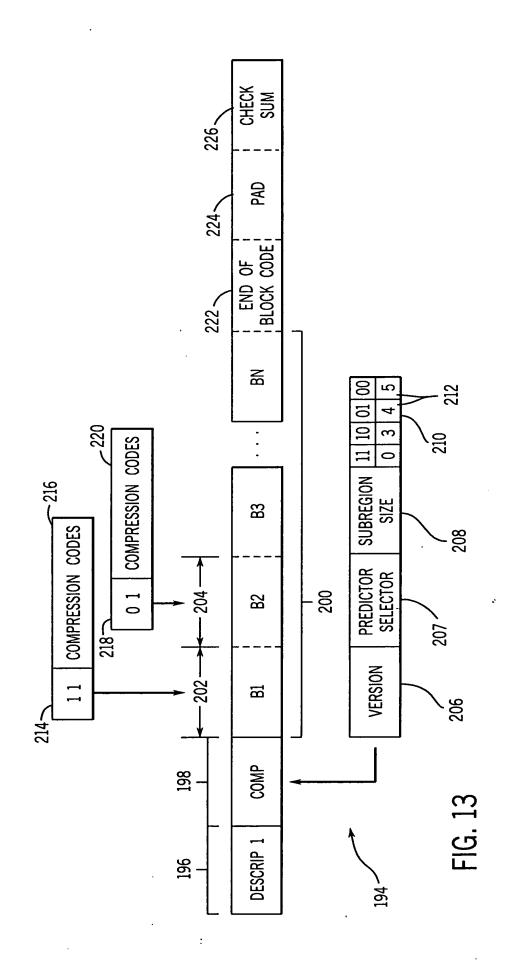
LILICCMANI	SCHEME 2	- MAX RATIO =	4:1	FIG. 9 ENCODED
HUFFMAN	CODE			RANGE
CODE	CODE	DIFFEDENCE	OODE LENOTU	
PREFIX	EXTENSION	DIFFERENCE_d_	CODE LENGTH	WIDTH 196
00	XX	$0 \ TO +3$	4	3186
01	XX	-1 TO -4	4	
100	XXX	+4 TO +11	6	+8
101	XXX	−5 TO −12	6	
1100	XXXX	+12 TO +27	8	+16
. 1101	XXXX	–13 TO –28	8	
11100	XXXXX	+28 TO +59	10	+32
11101	XXXXX	–29 TO –60	10	
111100	XXXXXX	+60 TO +123	12	+64
111101	XXXXXX	–61 TO –124	12	:
1111100	XXXXXXX	+124 TO +251	14	+128
1111101	XXXXXXX	–125 TO <i>–</i> 252	14	
11111100	XXXXXXXX	+252 TO +507	16	+256
11111101	XXXXXXX	–253 TO –508	16	
111111100	XXXXXXXX	+508 TO +1019	18	+512
111111101	XXXXXXXXX	−509 TO −1020	18	
1111111110 <16 E		ACTUAL VALUE	25	
111111111		END OF BLOCK	9	

	COLIEME 3	MAY DATIO - 2		IG. 10
HUFFMAN	SCHEME 3 -	MAX RATIO = 3.3		ENCODED
CODE	CODE			RANGE
	XTENSION	DIFFERENCE d	CODE LENGTH	WIDTH
00	XXX	0 TO +7	5	7188
01	XXX	−1 TO −8	5	
100	XXXX	+8 TO +23	7	+16
101	XXXX	−9 TO −24	7	
1100	XXXXX	+24 T0 +55	9	+32
1101	XXXXX	−25 TO −56	9	
11100	XXXXXX	+56 TO +119	11	+64
11101	XXXXXX	−57 TO −120	11	
111100	XXXXXX	+120 TO +247	13	+128
111101	XXXXXX	–121 TO –248	13	
1111100	XXXXXXX	+248 TO +503	15	+256
1111101	XXXXXXX	–249 TO –504	15	
11111100	XXXXXXXX	+504 TO +1015	17	+512
11111101	XXXXXXXX	−505 TO −1016	17	
11111110 < 16 BITS)	ACTUAL VALUE	24	
11111111		END OF BLOCK	8	

FIG. 11

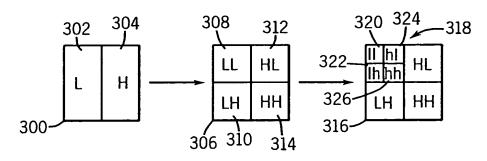
HUFFMAN CODE	SCHEME 4 CODE	- MAX RATIO =	2.67:1	ENCODED RANGE
PREFIX 1	EXTENSION	DIFFERENCE d	CODE LENGTH	WIDTH
00 01	XXXX XXXX	0 TO +15 -1 TO -16	6 6	15 190
100	XXXXX	+16 TO +47	8	+32
101 1100	XXXXX XXXXXX	-17 TO -48 +48 TO +111	8 10	+64
1101 11100	XXXXXX XXXXXXX	-49 TO -112 +112 TO +239	10 12	+128
11101	XXXXXXX	–113 TO –240	12	
111100 111101	XXXXXXXX	+240 TO +495 -241 TO -496	14 14	+256
1111100	XXXXXXXX	+496 TO +1007	16	+ 512
1111101 1111110 < 16 BITS	XXXXXXXX	-497 TO -1008 ACTUAL VALUE	16 23	
1111111	'I	END OF BLOCK	7	

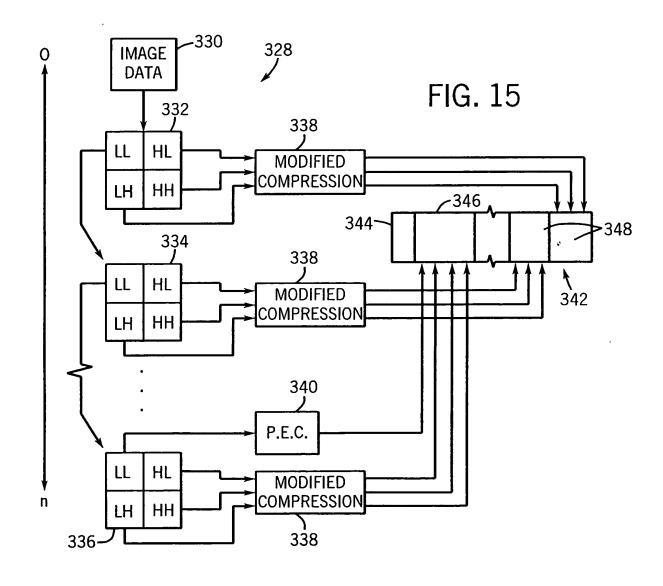
HUFFMAN CODE PREFIX	SCHEME 5 - CODE EXTENSION	MAX RATIO = 2. DIFFERENCE d	.29:1 CODE LENGTH	FIG. 12 ENCODED RANGE WIDTH	2
00	XXXXX	0 TO +31	7	31	_192
01	XXXXX	−1 TO − 32	7	←	
100	XXXXXX	+32 TO +95	9	+64	
101	XXXXXX	−33 TO −96	9		
1100	XXXXXXX	+96 TO +223	11	+128	
1101	XXXXXX	−97 TO −224	11		
11100	XXXXXXX	+224 TO +479	13	+256	
11101	XXXXXXX	−225 TO −480	13		
111100	XXXXXXX	+480 TO +991	15	+512	
111101	XXXXXXX	-481 TO −992	15		
111110 <16 B	ITS)	ACTUAL VALUE	22		
111111		END OF BLOCK	6		

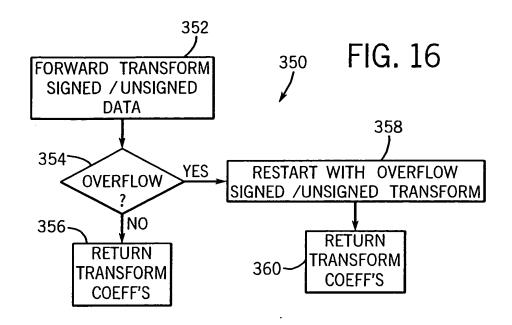


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FIG. 14







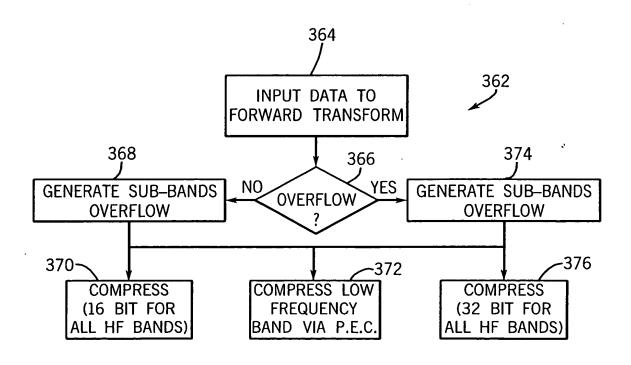
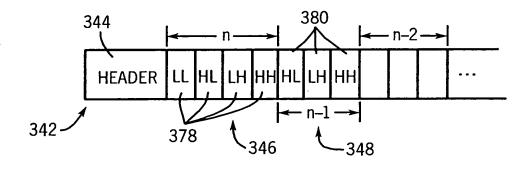
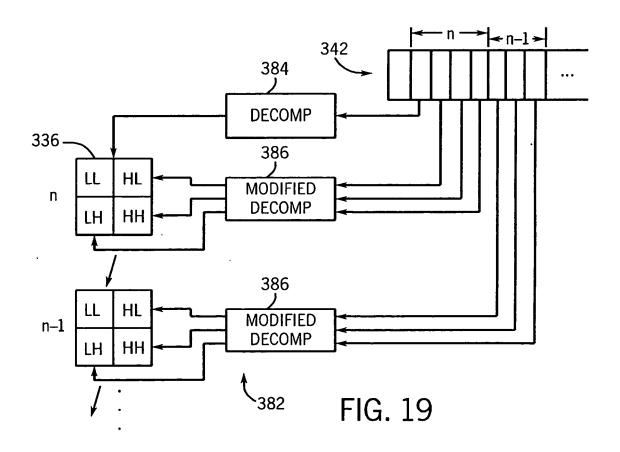


FIG. 17

FIG. 18





COMPRESSED EFF COMP BYTES RATIO	5652 1811:1	13780 526:1	49868 147:1	186128 40:1	724560 10:1	2929860 2.6:1
COMI		1.	4	18	72	29
COLS	6/	157	313	979	1250	2500
ROWS	64	128	256	512	1024	2048
LEVEL	5	7	3	5	-	. 0

FIG. 20

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